

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	US20050198625A1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 12:22
S2	90	("20050198625" "6457023" "7168071" "20040237073" "20050080980" "20020129343" "6681385" "6253215" "6865730" "6282702" "5313616" "6125383" "5764958" "6925638" "7076773" "20040015920" "6665865" "5327567" "5463778" "6999980" "5999732" "6067413" "5815718" "5872973" "5920720" "5966542" "6052515" "6223346" "6223346" "6760905" "6918106" "6983460" "7003768" "7065755" "20020133527" "20030131347" "20040172544" "20050060695" "20050138611" "20060026430" "20060265438" "20030236951" "6434576" "6434577" "20040221272" "6526571" "20050015752" "7058943" "20020178437" "20040039759" ). pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 16:01
S3	4	("6665865").URPN.	USPAT	OR	OFF	2007/05/16 17:09
S4	6	("5488727"   "6014518"   "6041179"   "6173444"   "6434740"   "6463581").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/16 17:13
S5	987	equivalence adj class	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 17:50
S6	3	(clon\$3 or replicat\$3) with (equivalence adj class)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 17:50
S7	6	(clon\$3 or replicat\$3) with (equivalence adj class\$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 17:50

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Relevance scale **1 Effective synchronization removal for Java**

 Erik Ruf  
 May 2000 **ACM SIGPLAN Notices , Proceedings of the ACM SIGPLAN 2000 conference on Programming language design and implementation PLDI '00**, Volume 35  
 Issue 5

**Publisher:** ACM PressFull text available:  [pdf\(819.53 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We present a new technique for removing unnecessary synchronization operations from statically compiled Java programs. Our approach improves upon current efforts based on escape analysis, as it can eliminate synchronization operations even on objects that escape their allocating threads. It makes use of a compact, equivalence-class-based representation that eliminates the need for fixed point operations during the analysis. We describe and evaluate the performance of an implemen ...

**2 Domain partitioning for open reactive systems**

 Scott D. Stoller  
 July 2002 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 2002 ACM SIGSOFT international symposium on Software testing and analysis ISSTA '02**, Volume 27 Issue 4

**Publisher:** ACM PressFull text available:  [pdf\(319.49 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Testing or model-checking an open reactive system often requires generating a model of the environment. We describe a static analysis for Java that computes a partition of a system's inputs: inputs in the same equivalence class lead to identical behavior. The partition provides a basis for generation of code for a most general environment of the system, i.e., one that exercises all possible behaviors of the system. The partition also helps the generated environment avoid exercising the same beha ...

**3 Formal semantics and static analysis: Compile-time deallocation of individual objects**

 Sigmund Cherem, Radu Rugina  
 June 2006 **Proceedings of the 2006 international symposium on Memory management ISMM '06**

**Publisher:** ACM PressFull text available:  [pdf\(211.39 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper presents a static analysis and transformation system that enables the

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S8	68	S5 and "717"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 18:07
S9	130	(clon\$3 or replicat\$3) with (method\$1 with (invok\$3 or invocat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 18:12
S10	4	(clon\$3 or replicat\$3) with (number\$1 with method\$1 with (invok\$3 or invocat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/16 18:12
S11	298	717/146.cccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/17 18:53
S12	544	717/151.cccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/17 18:54
S13	194	717/153.cccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/17 18:54
S14	365	717/154.cccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/17 18:54
S15	91	717/157.cccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/17 18:54